

## MUNICIPAL SOLID WASTE LANDFILLS

### Air Pollutant Emission Notice (APEN) - and- Application for Construction Permit

*All sections of this APEN and application must be completed prior to submittal to the Division for both new and existing facilities. An application with missing information may be determined incomplete and may be returned to you or result in longer engineer processing times.*

#### Requested Action:

- |  |  |  |   |
|--|--|--|---|
| <input type="checkbox"/> New Landfill, Apply for Construction Permit | <input type="checkbox"/> Transfer of Ownership <sup>1</sup>    | <input type="checkbox"/> Change Company Name               | <input type="checkbox"/> Change in Waste Acceptance |
| <input type="checkbox"/> Change in Design Capacity                   | <input type="checkbox"/> No Change in Permit, APEN Update Only | <input type="checkbox"/> Request Other Permit Modification |   |

<sup>1</sup>Note: For transfer of ownership or company name change, you must submit proof of ownership transfer (e.g., Transfer of Ownership Form signed by the previous owner or a copy of a Bill of Sale with this form).

PERMIT NUMBER: \_\_\_\_\_

FACILITY AIRS ID: \_\_\_\_\_

#### SECTION 01 – ADMINISTRATIVE INFORMATION

Landfill Name:	_____	County:	_____
Landfill Address:	_____	Zip Code:	_____
	_____		
Billing Address:	_____	Zip Code:	_____
	_____		
Person to Contact:	_____	Phone Number:	_____
Contact Email Address:	_____	Fax Number:	_____
Landfill Owner:	_____	Phone Number:	_____
Address of Owner:	_____		
	_____	Zip Code:	_____
Landfill Operator (if different)	_____	Phone Number:	_____
Landfill Operator Address:	_____		
	_____	Zip Code:	_____

#### SECTION 02 – GENERAL INFORMATION

Landfill:	Approximate Date	Comments
<input type="checkbox"/> Commenced construction on (Existing):		
<input type="checkbox"/> Will commence construction on (New):		
<input type="checkbox"/> Was closed on:		
<input type="checkbox"/> Projected closure date:		

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### **SECTION 03 – DESIGN CAPACITY INFORMATION**

Select the appropriate scenario below:

- ☐ New or Previously unreported landfill.  
[ ] Complete the “Design Capacity Report Form” and submit it with this APEN.  
[ ] Date the Certificate of Designation was approved: \_\_\_\_\_
- ☐ Change to a previously reported design capacity.  
[ ] Complete the “Design Capacity Report Form” and submit it with this APEN.  
[ ] Date the Certificate of Designation was approved: \_\_\_\_\_
- ☐ No change to design capacity.  
[ ] Date the most recent Design Capacity Report Form was submitted: \_\_\_\_\_

List the Landfill Design Capacity in both volume and mass<sup>2</sup>: \_\_\_\_\_ m<sup>3</sup> \_\_\_\_\_ Megagrams (Mg)

If you are reporting a change in design capacity, list the new capacity here<sup>2</sup>: \_\_\_\_\_ m<sup>3</sup> \_\_\_\_\_ Megagrams (Mg)

<sup>2</sup>Calculate m<sup>3</sup> by multiplying yd<sup>3</sup> by 0.7646. Calculate Mg by multiplying tons by 0.907.

Landfill is subject to (check all that apply):

- ☐ NSPS Subpart Cc ☐ NSPS WWW
- ☐ Title V ☐ NESHAP Subpart AAAA ☐ Other \_\_\_\_\_

### **SECTION 04 – WASTE ACCEPTANCE INFORMATION**

This landfill measures solid waste acceptance in:

- ☐ Tons
- ☐ Cubic yards (Specify Gate Volume or In Place Volume): \_\_\_\_\_
- ☐ Other (please explain): \_\_\_\_\_

Specify the types of materials that are or would be accepted at the landfill. For each type, list the actual waste acceptance rate and the requested permit limit. (e.g., fly ash, petroleum contaminated soils, non-degradable material...)

Type of Materials Accepted (List)	Actual Annual Waste Acceptance Rate (include units) Reporting Year: _____	Requested Annual Permit Acceptance Limit (include units)
Municipal Solid Waste		

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Beginning with the year the landfill opened, list the total waste acceptance amount for each year or submit the LandGEM waste acceptance data with this APEN. Specify units.

If any acceptance rates are estimated, attach documentation that demonstrates how acceptance rates were calculated.

Year	Waste Accepted	Year	Waste Accepted	Year	Waste Accepted

☐ LandGEM data has been submitted with this APEN.

*Note: The APCD is currently using AP-42 Section 2.4 to estimate landfill gas emissions. The Landfill Gas Emissions Model (LandGEM) is based on this AP-42 section and can be used to provide this information. .*

### SECTION 05 – OTHER LANDFILL ACTIVITIES

Check appropriate box(es) below to indicate other activities and/or equipment at the landfill that may require submission of a separate APEN form.

<input type="checkbox"/>	Composting (describe activity):
<input type="checkbox"/>	Engine(s)/Generator(s) (specify type):
<input type="checkbox"/>	Leachate (on-site use):
<input type="checkbox"/>	Parts Washer (describe activity):
<input type="checkbox"/>	Sand & Gravel Operations (describe activity):
<input type="checkbox"/>	Solidification Basin (describe activity):
<input type="checkbox"/>	Other (specify activity/equipment):

### SECTION 06 – FLARE INFORMATION (if not applicable mark N/A)

Type of Equipment <sup>3</sup>	Equipment ID	Manufacturer	Make	Model Number	Serial No.

<sup>3</sup> Submit additional sheets if necessary.

Fuel Type	Design Input Rate (10 <sup>6</sup> Btu/hr)	Actual Fuel Usage Level (for data year)	Fuel Heating Value (indicate units)
Landfill Gas			

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**SECTION 06- continued:**

Flare Stack ID No.	Base Elevation (feet)	Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)

Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)

Direction of outlet (check one):

- ☐ Vertical
- ☐ Vertical with obstruction rain cap
- ☐ Horizontal
- ☐ Down
- ☐ Other

Exhaust Opening Shape & Size (**check one**):

- ☐ Circular: Inner Diameter (inches) = \_\_\_\_\_
- ☐ Other: Length (inches) = \_\_\_\_\_ Width (inches) = \_\_\_\_\_

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### SECTION 07 – EMISSIONS INVENTORY INFORMATION

Note: Attach a copy of LandGEM with this APEN form. Sources may have approved site-specific values based on performance testing; attach this information with the APEN form, if applicable.

☐ Check this box if you would like the Division to calculate your emissions and leave emissions inventory below blank.

<b>Reporting Year (e.g., 2010):</b>									
Pollutant	Type of Control Equipment	Overall Collection Efficiency	Control Efficiency	EF (Include Units)	EF Source	Actual Calendar Year Emissions <sup>4</sup>		Requested Emissions <sup>5</sup> (Permit Limits)	
						Uncontrolled (tpy)	Controlled (tpy)	Uncontrolled (tpy)	Controlled (tpy)
PM-10									
PM-2.5									
VOC									
SO <sub>2</sub> <sup>6</sup>									
NOx <sup>6</sup>									
CO <sup>6</sup>									

<sup>4</sup> If emissions information is left blank, the APCD will calculate emissions based on information supplied in the APEN, LandGEM or other site-specific information provided with the APEN form. EF = Emission Factor (uncontrolled basis), if applicable.

<sup>5</sup> Permit limits for flare(s) will be based on the year with maximum emissions, even if after closure.

<sup>6</sup> Emissions Inventory information above includes emissions from combustion sources (e.g., flares).

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### **SECTION 08 – FUGITIVE DUST CONTROL MEASURES**

(Report fugitive emissions and controls at the landfill under normal operating conditions during the reporting year).

#### **1. ONSITE HAULING, AND LOADING/UNLOADING**

Vehicle Type	No. of Vehicles	Time Period (# vehicles per month)	Loaded Vehicle Weight (tons)	Length of Haul Road One Way (feet)
Commercial Trash Truck				
Private				

List maximum posted speed limit on haul roads (miles/hour):

CONTROLS: (Check all that apply)

<input type="checkbox"/>	Watering	<input type="checkbox"/>	Graveled surfaces		
<input type="checkbox"/>	Paved surfaces	<input type="checkbox"/>	Chemical stabilizer		
<input type="checkbox"/>	Other (Specify):				

#### **2. SOIL HANDLING/REMOVAL**

Maximum: \_\_\_\_\_ tons per year

CONTROLS: (Check all that apply)

<input type="checkbox"/>	Moist materials		
<input type="checkbox"/>	Water	<input type="checkbox"/>	Others (specify)

#### **3. DISTURBED AREA**

Total Area of Site (Acres):		
Total Disturbed Area of Site (Acres):		

CONTROLS:

<input type="checkbox"/>	Watering	<input type="checkbox"/>	Compaction
<input type="checkbox"/>	Revegetation	<input type="checkbox"/>	Other (Specify):

### **SECTION 09 – APPLICANT CERTIFICATION**

Signature of Legally Authorized Person (not a vendor or consultant)

Date

Name (please print)

Title

Check the appropriate box if you want:

☐ Copy of the Preliminary Analysis conducted by the Division

☐ To review a draft of the permit prior to issuance

(Checking any of these boxes may result in an increased fee and/or processing time)

## **MUNICIPAL SOLID WASTE LANDFILLS**

**Send this form along with \$152.90 to: Colorado Department of Public Health and Environment**  
**Telephone: (303) 692-3150**      **Air Pollution Control Division**  
   **APCD-SS-B1**  
   **4300 Cherry Creek Drive South**  
   **Denver, CO 80246-1530**

The Small Business Assistance Program (SBAP) is available to help you complete this form. SBAP services are free and confidential. Please contact the SBAP if you need assistance at (303) 692-3175 or 3148.